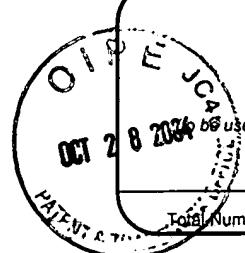


**TRANSMITTAL
FORM**


		Application Number	10/722,161
		Filing Date	November 25, 2003
		First Nominated Inventor	Franza, B. Robert
		Art Unit	1636
		Examiner Name	Unassigned
Total Number of Pages in This Submission		Attorney Docket Number	016336-001011US

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to Technology Center (TC)
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	Form PTO/SB/08A (1 pg.), Form PTO/SB/08B (2 pgs), and Return Postcard
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		
<input type="checkbox"/> Remarks The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Townsend and Townsend and Crew LLP	Reg. No. 32,928
Signature		
Date	22 October 2004	

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

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Signature		Date	Oct 25, 2004

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PATENT
Attorney Docket No. 16336-001011US



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

B. Robert Franz et al.

Application No.: 10/722,161

Filed: November 25, 2003

For: STABLE ISOTOPE METABOLIC
LABELING FOR ANALYSIS OF
BIOPOLYMERS

Examiner: Unassigned

Art Unit: 1636

**INFORMATION DISCLOSURE
STATEMENT
UNDER 37 CFR §1.97 and §1.98**

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The references cited on attached forms PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. In accordance with 37 CFR §1.98(d), copies of the references can be found in the parent Application No. 09/786,066, filed February 28, 2001, now U.S. Patent No. 6,653,076 B1, issued on November 25, 2003 (Attorney Docket No. 016336-001010US).

It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement. However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,

Dated: 22 October 2004

By: 
Brian W. Poor
Reg. No. 32,928

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Tel: 206-467-9600
Fax: 415-576-0300
BWP:mmm
60191527 v1

<p style="text-align: center;">O I P A P A T E N T O C T 2 8 2004</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p>				<i>Complete if Known</i>	
				Application Number	10/722,161
				Filing Date	November 25, 2003
				First Named Inventor	Franza, B. Robert
				Art Unit	1636
				Examiner Name	Unassigned
Sheet	1	of	3	Attorney Docket Number	016336-001011US

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AA	US-5,338,686		08-16-1994	Hellerstein	
AB	US-5,538,897		07-23-1996	Yates, III et al.	
AC	US-5,910,403		06-08-1999	Hellerstein	
AD	US-6,017,693		01-25-2000	Yates, III et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³	Number ⁴ Kind Code ⁵ (if known)		
AE	DE	44 33 384		UFZ-Umweltforschungszentrum	<input type="checkbox"/>
AF	WO	98/36095		George Washington Univresity	<input type="checkbox"/>

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60191527 v1

Substitute for form 1449B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				<i>Application Number</i>	10/722,161
				<i>Filing Date</i>	November 25, 2003
				<i>First Named Inventor</i>	Franza, B. Robert
				<i>Art Unit</i>	1636
				<i>Examiner Name</i>	Unassigned
Sheet	2	of	3	<i>Attorney Docket Number</i>	016336-001011US

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
	AG	"INDEX of the Protein Sequence Database of the International Association of Protein Sequence Databanks (PIR-International)," <u>Protein Seq. Data Anal.</u> , 5:65-192 (Mar. 1993)		
	AH	BAIROCH and BOECKMANN, "The SWISS PROT Protein Sequence Data Bank, Recent Developments," <u>Nucl. Acids Res.</u> , 21:3093-3096 (Jul. 1, 1993)		
	AI	BARKER <i>et al.</i> , "Protein Sequence Database," <u>Meth. Enzymol.</u> , 183:31-49 (1990)		
	AJ	BEYNON, "Qualitative Analysis By Mass Spectrometer," in <u>Mass Spectrometry and Its Application to Organic Chemistry</u> , Elsevier Publishing Co., New York, 294-301 (1960)		
	AK	BIER, "Stable Isotopes in Biosciences, Their Measurement and Models for Amino Acid Metabolism," <u>Eur. J. Pediatr.</u> , 156(Suppl. 1):S2-S8 (Aug. 1997)		
	AL	BLEASBY <i>et al.</i> , "OWL-a Non-redundant Composite Protein Sequence Database," <u>Nucl. Acids Res.</u> , 22:3574-3577 (Sep. 1994)		
	AM	BURKS <i>et al.</i> , "GenBank: Current Status and Future Directions," <u>Meth. Enzymol.</u> , 183:3-22 (1990)		
	AN	COBELLI <i>et al.</i> , "Validation of Simple and Complex Models in Physiology and Medicine," <u>Am. J. Physiol.</u> , 246:R259-R266 (Feb. 1984)		
	AO	ENG <i>et al.</i> , "An Approach to Correlate Tandem Mass Spectral Data of Peptides with Amino Acid Sequences in a Protein Database," <u>J. Am. Soc. Mass. Spectrom.</u> , 5:976-989 (Nov. 1994)		
	AP	GOSHE and ANDERSON, "Determination of Amino Acid Isotope Ratios by Electrospray Ionization-Mass Spectrometry," <u>Anal. Biochem.</u> , 231:387-392 (Nov. 1, 1995)		
	AQ	HALLIDAY and READ, "Mass Spectrometric Assay of Stable Isotopic Enrichment for the Estimation of Protein Turnover in Man," <u>Proc. Nutr. Soc.</u> , 40:321-334 (Sep. 3, 1981)		
	AR	KAHN <i>et al.</i> , "EMBL Data Library," <u>Meth. Enzymol.</u> , 183:23-31 (1990)		
	AS	LEE <i>et al.</i> , "Mass Isotopomer Analysis: Theoretical and Practical Considerations," <u>Biol. Mass. Spectrom.</u> , 20:451-458 (Aug. 1991)		
	AT	MATTHEWS <i>et al.</i> , "Regulation of Leucine Metabolism in Man: A Stable Isotope Study," <u>Science</u> , 214:1129-1131 (Dec. 4, 1981)		
	AU	MCCLOSKEY, "Appendix f. Calculation of Isotopic Abundance Distributions," <u>Meth. Enzymol.</u> , 193:882-886 (1990)		

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO				<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				<i>Application Number</i>	10/722,161
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Sheet	3	of	3	<i>Attorney Docket Number</i>	016336-001011US

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	AV	PATTERSON <i>et al.</i> , "Incorporation of a Stable Isotopically Labeled Amino Acid into Multiple Human Apolipoproteins," <i>J. Lipid Res.</i> , 32:1063-1072 (Jul. 1991)		
	AW	PATTERSON <i>et al.</i> , "Measurement of very low stable isotope enrichments by gas chromatography/mass spectrometry: application to measurement of muscle protein synthesis," <i>Metabolism</i> , 46: 943-948 (Aug. 1997)		
	AX	PATTERSON, S. "Matrix-assisted laser-desorption/ionization mass spectrometric approaches for the identification of gel-separated proteins in the 5-50 pmol range," <i>Electrophoresis</i> , 16(7): 1104-1114 (Jul. 1995)		
	AY	SADANO <i>et al.</i> , "cDNA Cloning and Sequence of a New Type of Actin in Mouse B16 Melanoma," <i>J. Biol. Chem.</i> , 263: 15868-15871 (Nov. 5, 1988)		
	AZ	SMITH and RENNIE, "The Measurement of Tissue Protein Turnover," <i>Bailliere's Clin. Endocrin. Metab.</i> , 10:469-495 (Oct. 1996)		
	BA	TARVER AND SCHMIDT, "The Urinary Sulfur Partition in Normal and Cystinuric Dogs Fed Labeled Methionine," <i>J. Biol. Chem.</i> , 167:387-394 (1947)		
	BB	YARASHESKI <i>et al.</i> , "Measurement of muscle protein fractional synthetic rate by capillary gas chromatography/combustion isotope ratio mass spectrometry," <i>Biol. Mass. Spectrom.</i> , 21:486-490 (Oct. 1992)		
	BC	YATES, "Database Searching Using Mass Spectrometry Data," <i>Electrophoresis</i> , 19:893-900 (Jun. 1998)		

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